

IN THE CLAIMS:

Please cancel claims 1-7 without prejudice or disclaimer, and substitute new Claims 8-14 therefor as follows:

Claims 1-7 (Cancelled).

8. (New) A method for dimensioning a cell of a mobile telecommunications network suitable for managing data calls associated to data terminals having different terminal capabilities, the cell comprising a plurality of status, comprising:

limiting the number of said plurality of status associated to said cell accessed by a plurality of different traffic streams associated to said data terminals;

determining medium death frequencies of a single cell status by considering determined sequences of users accessing the cell and having a different repartition of frequency of death;

determining a global set of cell status probabilities of said cell on the basis of data call arrival frequencies and of the medium death frequencies of data calls; and

dimensioning said cell on the basis of said global set.

9. (New) The method according to claim 8, wherein the step of limiting the number of said plurality of status comprises the step of separately analysing each traffic stream of said plurality of traffic streams offered by said data terminals.

10. (New) The method according to claim 8, wherein each of said determined sequences has associated a set of sequences having the same repartition of the frequency of the death.

11. (New) The method according to the claim 8, wherein the network is a TDMA or TDMA/FDMA type network.

12. (New) The method according to claim 8, wherein the network is a GPRS type network.

13. (New) A cell of a mobile telecommunications network suitable for managing calls of different type data terminals, dimensioned by the method of any one of claims 8 to 12.

14. (New) A computer program product directly loadable in the internal memory of at least a computer and including software code portions capable of performing the method of any one of claims 8 to 12, when said product is capable of being run on at least a computer.